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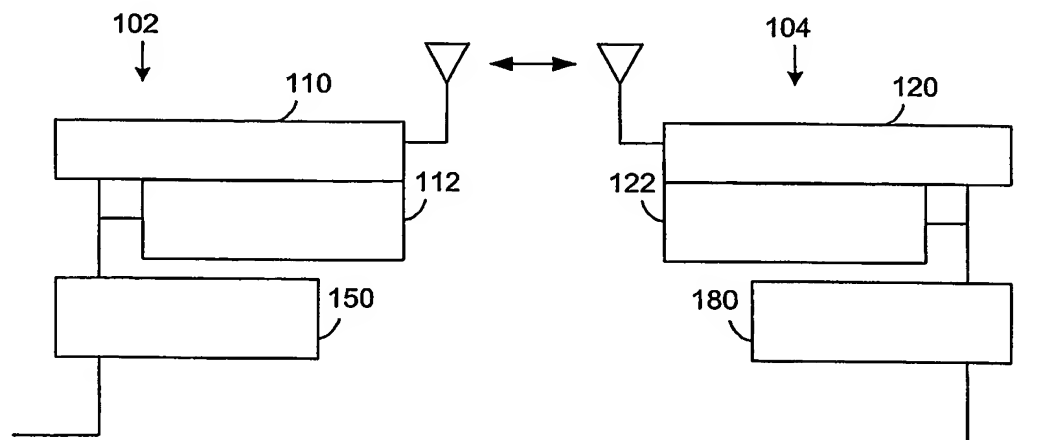
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— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE,

[Continued on next page]

(54) Title: DATA SEGREGATION AND FRAGMENTATION IN A WIRELESS NETWORK FOR IMPROVING VIDEO PERFORMANCE



(57) Abstract: A wireless communication device comprises an input terminal configured to communicate data with a processor. A segregation circuit (150) is coupled to the input terminal and configured to identify predetermined data and to separate more important data from less important data. A memory (112) is configured to store at least one parameter relevant to the wireless communication protocol. A modem (110) is coupled to segregation circuit and the memory (112) and is configured to communicate using a wireless protocol over a wireless channel, and includes a framer (152) configured to fragment the segregated data based at least in part on the at least one parameter stored in the memory. In one aspect of the invention, the wireless protocol is 802.11. Advantages of the invention include the ability to achieve high quality video communication over a wireless communication link with less chance of dropping important data.



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